



The Michigan ENHANCE 9-1-1 Grant Project

GIS Repository Training
December 11, 2013



Today's Agenda

- 9:00 - 9:10 Agenda and Housekeeping
- 09:10 – 9:35 PSAP Administration Tool
- 9:35– 10:20 Data Viewer
- 10:20 – 10:50 Import Data Utility
- 10:50 – 11:05 Export Data Utility
- 11:05 – 11:15 Red Line Edit Tools
- 11:15 – 11:30 Questions

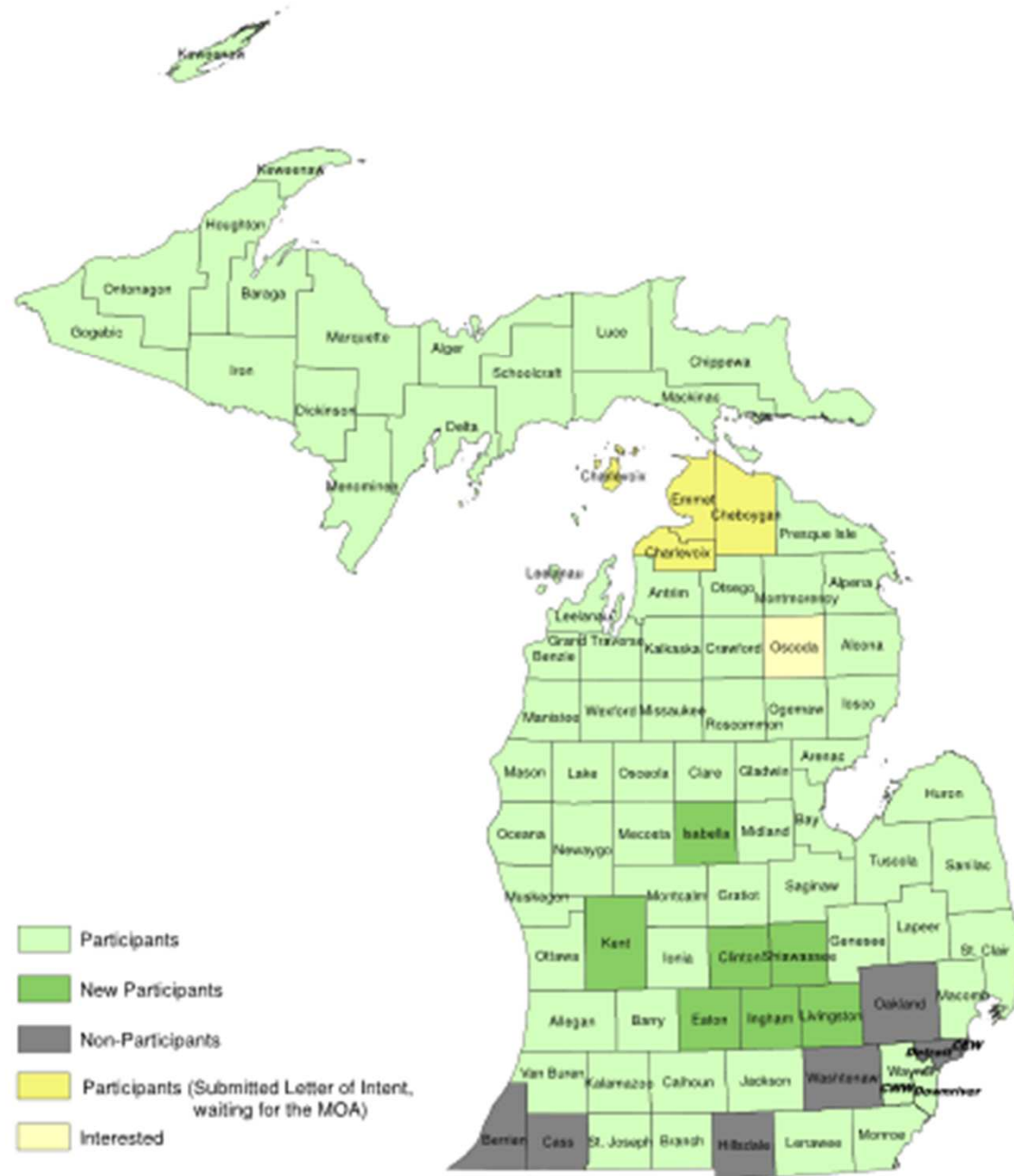
Housekeeping

- Please mute phones
- Please do not put your phone on hold
- Please provide questions through the chat box
- Time for questions at the end of each section

ENHANCE 911 Act Grant Project

- ◆ Created a central 9-1-1 GIS Repository
 - Enabling PSAPs to share GIS information
 - Establishing MOAs
 - Setting standards for GIS data entry
 - Future framework for NG9-1-1 database
- ◆ Statewide Public Safety Answering Point (PSAP) Boundary Layer
- ◆ Statewide Road Centerline Layer

Michigan GIS Grant Project Participation



Single Sign-On

<https://sso.state.mi.us>

State of Michigan Single Sign On 

Single Sign On Quality Assurance System

User ID

Password

* If you do not have a User ID, please click

[I forgot my Password](#)

Single Sign-On

<https://sso.state.mi.us>

State of Michigan Single Sign On

REGISTRATION

* Indicates required field

REGISTRATION

First Name *

Middle Initial

Last Name *

Email Address *

NOTE: Users will receive a confirmation email. Please check your email for further instructions.

Enter the number shown in the image

Continue

Back

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USER REGISTRATION CONFIRMATION

Please review the following information. Click Submit

First Name	: Laura
Initial	: L
Last Name	: Blastic
Email Address	: blastic.laura@gmail.com
Your User Id will be	: blastic14783

Back Submit

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Single Sign-On

<https://sso.state.mi.us>

State of Michigan Single Sign On 

SUBSCRIPTION

Please Select

State of Michigan Single Sign On 

SUBSCRIPTION

Please Select from the list

Dept of Technology Management and Budget Statewide 9-1-1 Committee

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Single Sign-On

<https://sso.state.mi.us>



The screenshot shows the 'State of Michigan Single Sign On' portal. At the top, there is a banner with the text 'State of Michigan Single Sign On' and a small map of Michigan. Below the banner is a large image of the Mackinac Bridge. The main heading is 'Application Portal'. The user is welcomed as 'Laura L Blastic'. A message states 'Your password will expire in 121 days.' Below this, it says 'You are currently subscribed to the following applications:'. A list shows one application: 'Statewide 9-1-1 Committee'. At the bottom, there are links for 'Subscribe to Applications', 'Account Maintenance', 'Add new Roles to Existing Subscription', and 'Sign Off'.

State of Michigan Single Sign On

Application Portal

WELCOME **Laura L Blastic**,

Your password will expire in 121 days.

You are currently subscribed to the following applications:

- [Statewide 9-1-1 Committee](#)

[Subscribe to Applications](#) [Add new Roles to Existing Subscription](#)
[Account Maintenance](#) [Sign Off](#)

System Administration Tools

Add/Edit PSAP Administrators

1 Select Admin

Add/Edit PSAP Administrators

1 Select Admin


2 Complete Admin Information


3 Assign Admin to PSAP(s)

4 Review and Save

Complete!

✓ Your settings have been successfully saved. To add or edit another user select 'Continue.' To navigate to the home page, select 'Home.'

 Home

 Continue



Allen Park Police Department




Beverly Hills Department Of Public Safety





Birmingham Police Department



Bloomfield Hills Police Department

 Previous

 Cancel

 Finish



PSAP Administration Tools

- ◆ Each PSAP will have primary designated PSAP Administrator
- ◆ Each PSAP can assign alternate PSAP Administrators
- ◆ Internal communication for approval processes needs to be determined locally
 - For example, approving PSAP boundary changes

Roles

PSAP Administrator	This role is established for the person that will be managing the accounts for the users within a specific PSAP jurisdiction. This role will typically be assigned to the 9-1-1 Director.
Alternate PSAP Administrator(s)	This role is established for a person to provide a backup role to the PSAP Administrator for assigning logins or accounts. This role will have the same permissions level in the system as the PSAP Administrator.
Data Importer(s)	This role is established for a person who will be providing GIS data updates to the repository system. This role can be assigned to a PSAP staff member, County GIS department staff member or a vendor. This role is typically assigned to the person who is maintaining the GIS data.
Data Exporter(s)	This role is established for a person who will be extracting GIS data from the repository for 911 purposes on a regular basis. For example, the data exporter might be the person that typically integrates GIS data with existing CAD systems.

PSAP Administration Tools

Administration

PSAPS

Users

💡 Click the PSAP name to add users, click the left arrow to view users, and click the user name to set permissions.

▶ Allegan County Central Dispatch

▼ Alpena County Central Dispatch

Josh Ross



Zach Psap Admin1



▶ Barry County Central Dispatch

▶ Jackson County Central Dispatch

▶ Ottawa County Central Dispatch

▶ St Joseph County Central Dispatch

▶ Van Buren County Central Dispatch

Set Permissions for Zach Psap Admin1

Permission	PSAPS	Roads	Structures	Emergency Service Zones
<u>View Current</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>View Pending</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can View</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Edit</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Import</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Can Export</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Check All</u>				




Save




Cancel

PSAP Administration Tools

[Michigan.gov](#) | [MSP Home](#) | [FAQ](#) | [Online Services](#) | [MSP Site Map](#) | [Contact MSP](#)Grant Project: [Home](#) | [Application Contact](#) | [Psap Admin1](#)

**State 9-1-1 Committee**
9-1-1 GIS Grant Project

MICHIGAN.GOV
Michigan's
Official
Web Site

Administration

PSAPS

Users

Click the PSAP name to a to view users, and click 1 permissions.

- ▶ Allegan County Central Di
- ▶ Alpena County Central Dis
- ▶ Barry County Central Disp
- ▶ Jackson County Central D
- ▶ Ottawa County Central Di
- ▶ St Joseph County Central
- ▶ Van Buren County Central

Administration

PSAPS

Users

Click the PSAP name to add users, click the left arrow to view users, and click the user name to set permissions.

- ▶ Allegan County Central Dispatch
- ▼ Alpena County Central Dispatch
 - Josh Ross ✖
 - Zach Psap Admin1 👤
- ▶ Barry County Central Dispatch
- ▶ Jackson County Central Dispatch
- ▶ Ottawa County Central Dispatch
- ▶ St Joseph County Central Dispatch
- ▶ Van Buren County Central Dispatch

PSAP Administration Tools: Permissions

Administration

Administration

PSAPS

Click the PSAP name to add users, click the left arrow to view users, and click the user name to set permissions.

Users

Click the PSAP name to add users, click the left arrow to view users, and click the user name to set permissions.

Set Permissions for Josh Ross

Permission	PSAPS	Roads	Structures	Emergency Service Zones
View Current	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View Pending	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can View	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can Import	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can Export	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Check All				

PSAP Administration:

Remove User from PSAP

- ◆ Removing User Accounts

- Rights are removed by PSAP Administrator
- Account is Disabled by System Administrator – request needs to be submitted by PSAP Administrator
- Can be Re-Enabled If User Goes to Work at Another PSAP

Removing User Accounts

Administration

PSAPS

Users

Click the PSAP name to add users, click the user name to view users, and click the user name to view permissions.

Allegan County Central Dispatch

Alpena County Central Dispatch

Josh Ross

Zach Psap Admin1

Barry County Central Dispatch

Jackson County Central Dispatch

Ottawa County Central Dispatch

St Joseph County Central Dispatch

Van Buren County Central Dispatch

Administration

PSAPS

Users

Click the PSAP name to add users, click the user name to view users, and click the user name to view permissions.

Allegan County Central Dispatch

Alpena County Central Dispatch

Josh Ross

Zach Psap Admin1

Barry County Central Dispatch

Jackson County Central Dispatch

Ottawa County Central Dispatch

St Joseph County Central Dispatch

Van Buren County Central Dispatch



Remove this user

Remove Josh Ross from Alpena County Central Dispatch?

☒ Yes, remove this user

or ☐ No, Don't remove

CLOSE X

Roads Structures Emergency Service Zones

View Current

View Pending

Can View

Can Edit

Can Import

Can Export

Check All

Save

Cancel

PSAP Administration Tools

- ◆ Requesting Data Export Rights for User

PSAP A



PSAP Administrator
Sends Request for CAD
Administrator to have Export Rights
for Neighboring County

PSAP Administrator and
CAD Administrator Receive
Status Email

PSAP B



PSAP Administrator
Receives Email to Log into
System and Grant User Export
Rights to PSAPs Data

PSAP Administrator
Approves or Denies
Export Privileges



PSAP Administration: Requesting Permission

Administration

PSAPS

Users


Request access for Elisha Beshtria to another PSAP.


Access: ☐ Import ☐ Edit ☐ Export

Feature: ☐ PSAPS ☐ Roads ☐ Structures ☐ ESZs

PSAP: Alcona County Central Dispatch

Comments:

 Save

 Cancel

PSAP Administration: USERS

Administration

PSAPS

Users

Below are users currently assigned to this PSAP. You can deactivate the user, or create a new user.

 New User

Name	Email
Elisha Beshtria	ElishaB@yahoo.com
Erin Lainsburger	erinklainsburger@gmail.com
Jeri Kaminski	kaminski.jeri@gmail.com
John Clark	clarkjohn@psap.org
Josh Ross	rossj@psap.org
Josh Ross	rossj@psap.org
Krisanne McConnell	mccollkrisanne@gmail.com
Laura Blasitc	blastc@psap.org
Laura Blastic	blastc@psap.org
Max Planck	plancmax@gmail.com
Paul Harmon	harmppaul@gmail.com
Paul Harmon	harmppaul@gmail.com
Paul Williams	paulwilliams@psap.org
Ranee Bradish	bradishra@psap.org
Zach Psap Admin1	jeri_@psap.org

Administration

PSAPS

Users

User Information

Contact Info

Email	*	<input type="text" value="ElishaB@yahoo.com"/>
First Name	*	<input type="text" value="Elisha"/>
Middle Initial		<input type="text"/>
Last Name		<input type="text" value="Beshtria"/>
Organization		<input type="text" value="Allegan"/>
Type		<input type="text" value="County CAD Support"/>
Phone	*	<input type="text" value="517-434-5923"/>
<input type="checkbox"/> Active		
<input checked="" type="checkbox"/> Notify user		
<input type="checkbox"/> View or add comments to notification		
<input type="button" value="Save"/> <input type="button" value="Cancel"/>		

Data Sharing and Agreements

- ◆ Enhanced Access to Public Records Act
 - DTMB Policy Developed Specific to Project
 - Local Participant Will Need a Local Enhance Access to Public Records Act Policy
 - Project Can Provide Examples of Enhance Access to Public Records Act Policies – If Local Participant Does Not Have One in Place
- ◆ Memorandum of Agreement Between CSSTP and Each Participating Entity
 - Outlines Roles and Responsibilities of CSSTP and Participants
 - Established Disclaimers for Data Sharing
 - Signed Agreement

Data Sharing and Agreements

- ◆ Exported Data Can Only Be Used for 9-1-1 and Public Safety Purposes

The purpose of this MOA is to establish a mutual framework governing the respective organizational relationships, responsibilities, and activities between the parties. This agreement is for the utilization of GIS data for 9-1-1 and public safety purposes within a statewide 9-1-1 GIS repository developed by CSSTP (9-1-1 GIS Program). |

Data Requests - FOIA

- ◆ Third Party Requests Data From CSSTP



Third Party Makes a FOIA Request for Data Covering 6 jurisdictions

CSSTP

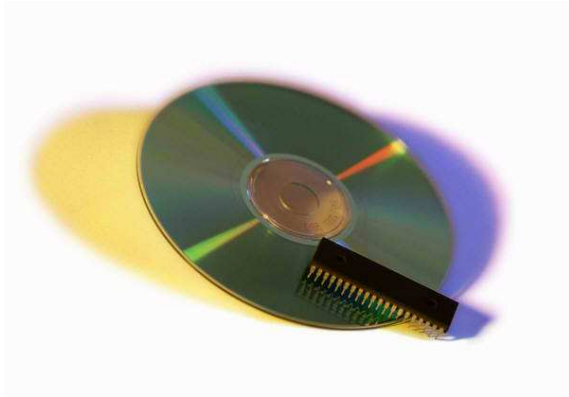


CSSTP References Local Enhanced Access to Public Records Policy For GIS Data Fee Schedules

Fees are totaled for all 6 jurisdictions plus any administration fees and third party must pay CSSTP to receive data extract

Data Requests - FOIA

- ◆ Third Party Requests Data From CSSTP



Once third party pays costs
CSSTP releases data to third party



Local fees are reimbursed by
CSSTP to each local jurisdiction

Data Requests - FOIA

◆ Third Party Requests Data From a Local Jurisdiction



Third party makes a FOIA request for data covering 6 other jurisdictions that the local jurisdiction has downloaded into its local systems

Local Jurisdiction

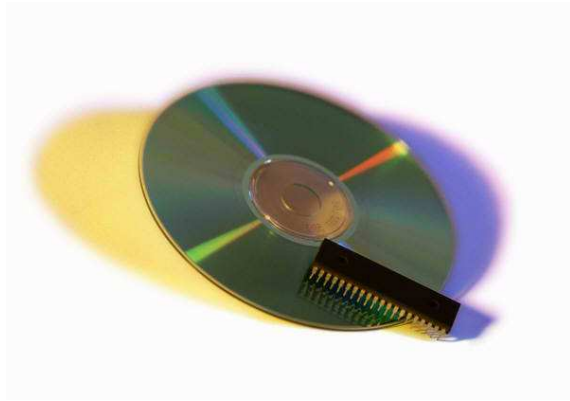


Local Jurisdiction References Local Enhanced Access to Public Records Policy For GIS Data Fee Schedules

Fees are totaled for all 6 jurisdictions plus any administration fees and third party must pay local jurisdiction to receive data extract

Data Requests - FOIA

- ◆ Third Party Requests Data From Local Jurisdictions



Once third party pays costs
local jurisdiction releases data
to third party



Local fees are reimbursed by
local jurisdiction that received the request
to each of the 6 other local jurisdictions



Data Viewer

◆ Potential Uses


- Only available for public safety via secure log in
- The data viewer could benefit PSAPs where mapping does not currently exist for dispatch
- The data viewer can be used to search addresses in other jurisdictions
- Supplemental map to existing systems
- Accessible via wireless in field or mobile command
- Can be accessed in an EOC during large incident crossing multiple jurisdictions

Data Viewer

Demonstration

Data Viewer

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Search an address, city, zip, and more:

9-1-1 Map | [Status Map](#) | [Home](#) | [Application Contact](#) | [Psap Admin1](#)

[Clear](#) [Zoom Extents](#) [Navigation Info](#) [Print](#) [Link](#)

Layers
Toggle layer visibility by clicking the corresponding checkbox. Edit features on a layer by clicking the edit icon.

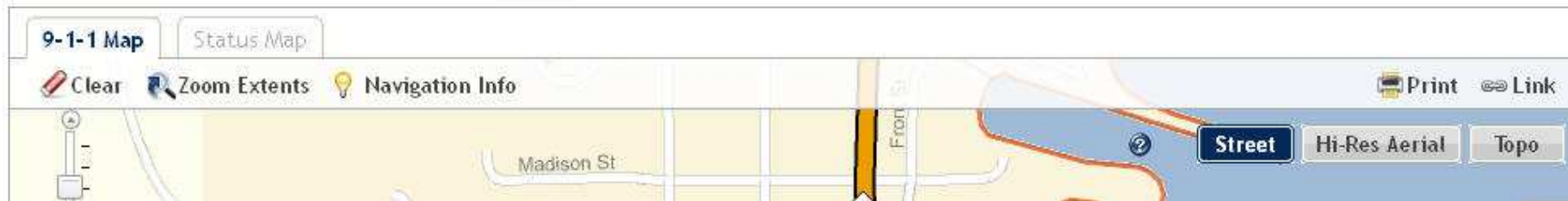
- ☒ Emergency Service Zone
- ☒ Structure
- ☒ Centerline
- ☒ PSAP
- ☒ Staged Data
- ☒ Sketches

Map
The map displays the State of Michigan with various layers overlaid. The layers include Emergency Service Zones (yellow), Structures (orange), Centerlines (red), PSAPs (blue), Staged Data (green), and Sketches (purple). The map is centered on the state capital, Lansing, and shows major cities and water bodies. The map is powered by Esri.

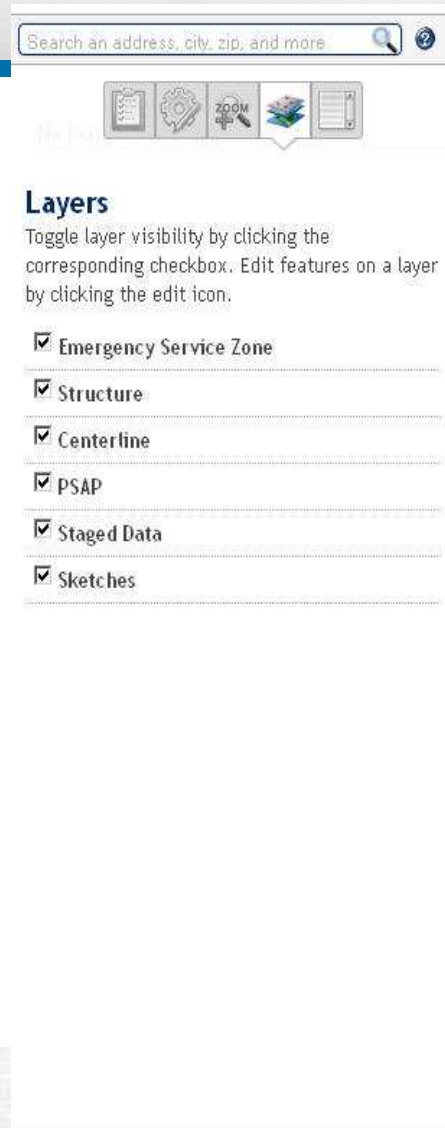
0 50 100mi

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[Grant Project: Home](#) | [Application Contact](#) | [Geographic Data Library](#)
[Privacy Policy](#) | [Link Policy](#) | [Accessibility Policy](#) | [Security Policy](#) | [Michigan News](#) | [Michigan.gov Survey](#)
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Data Viewer



Data Viewer



Data Viewer



County & PSAP Coordinate

Zoom

Zoom enables users to quickly navigate to a map location.

County & PSAP

Select a county or PSAP from the list boxes below. If you choose a county first, the PSAP list will only contain PSAP's within the selected county.

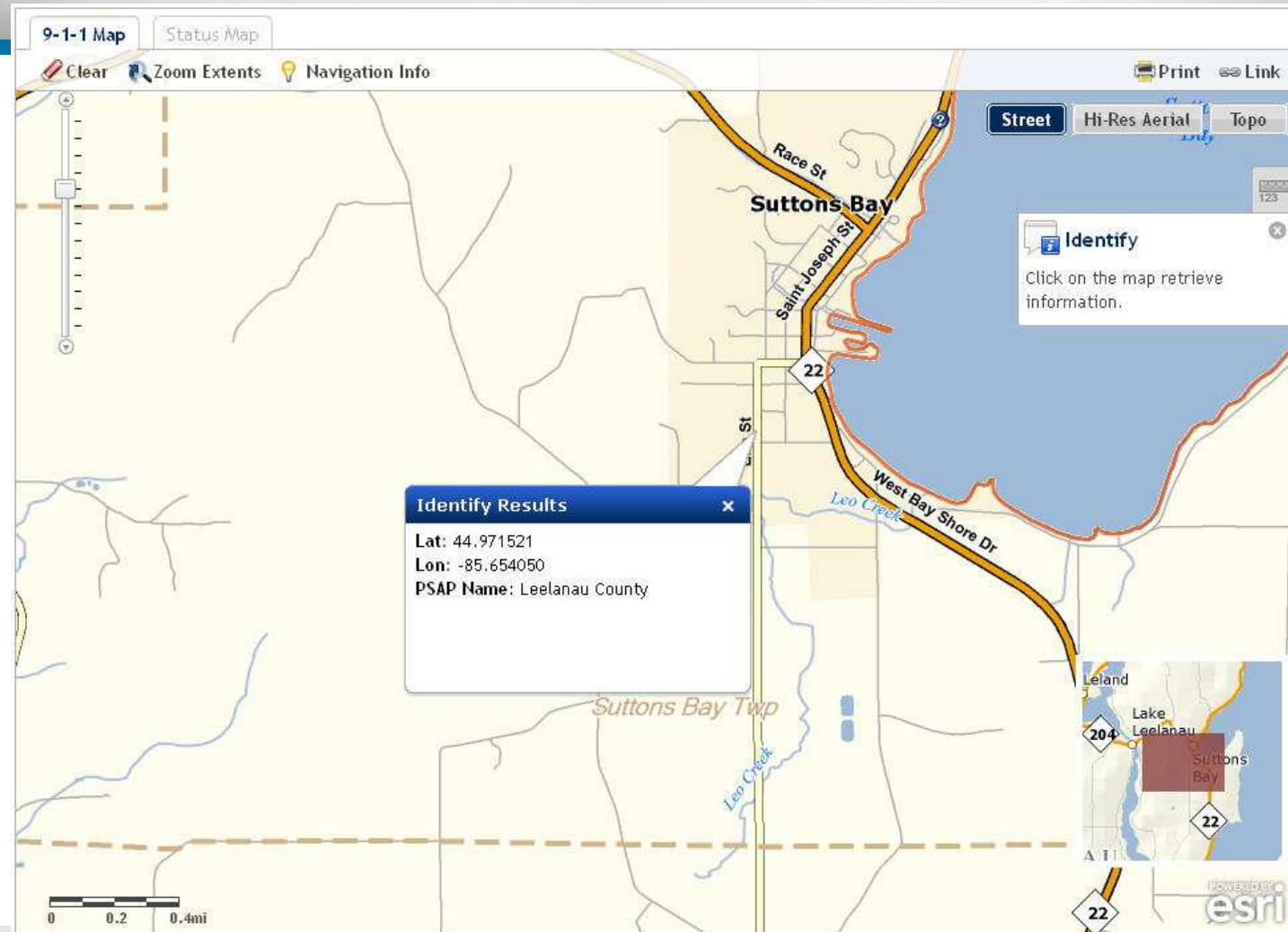
County

Select

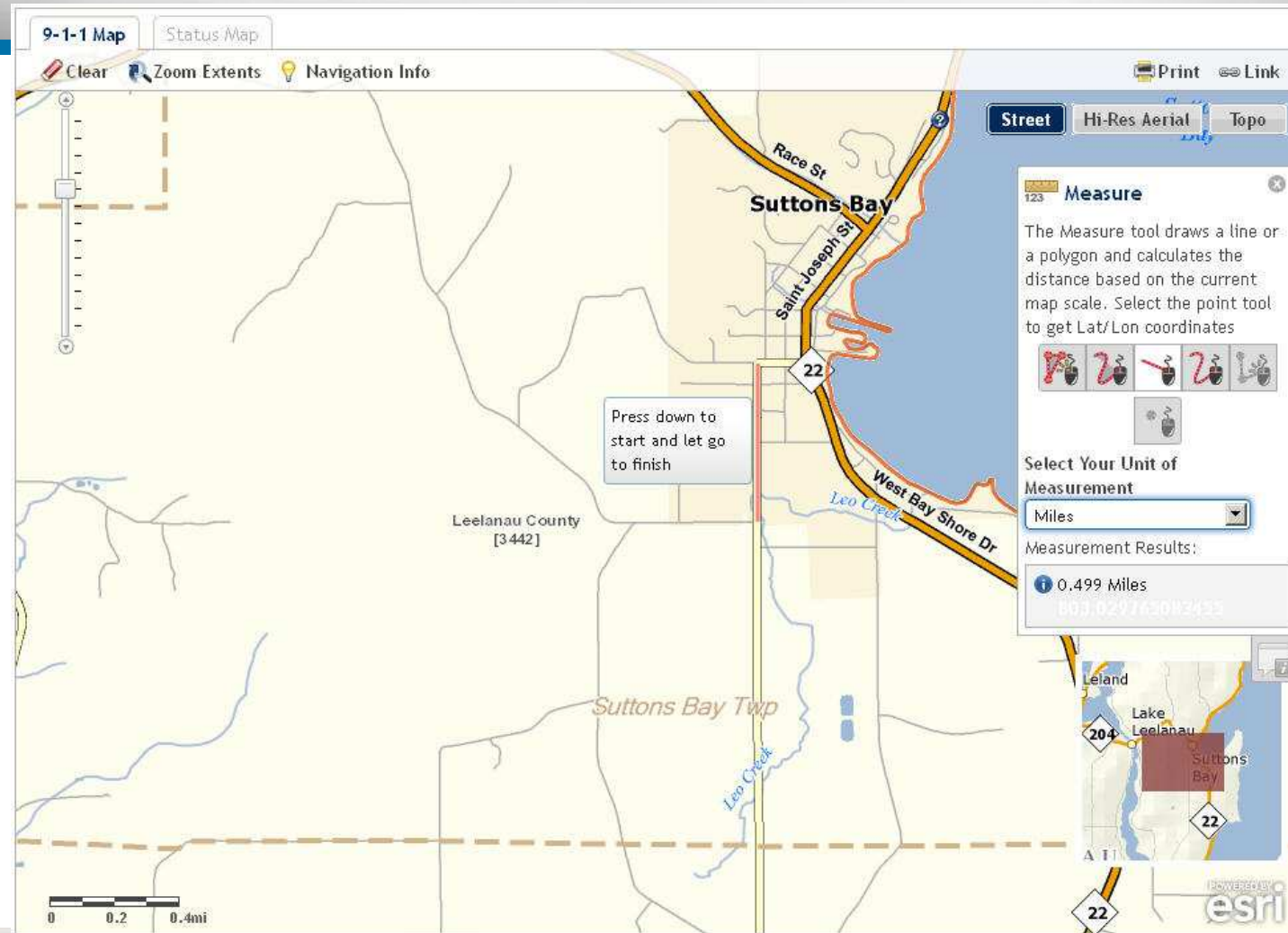
PSAP

Select

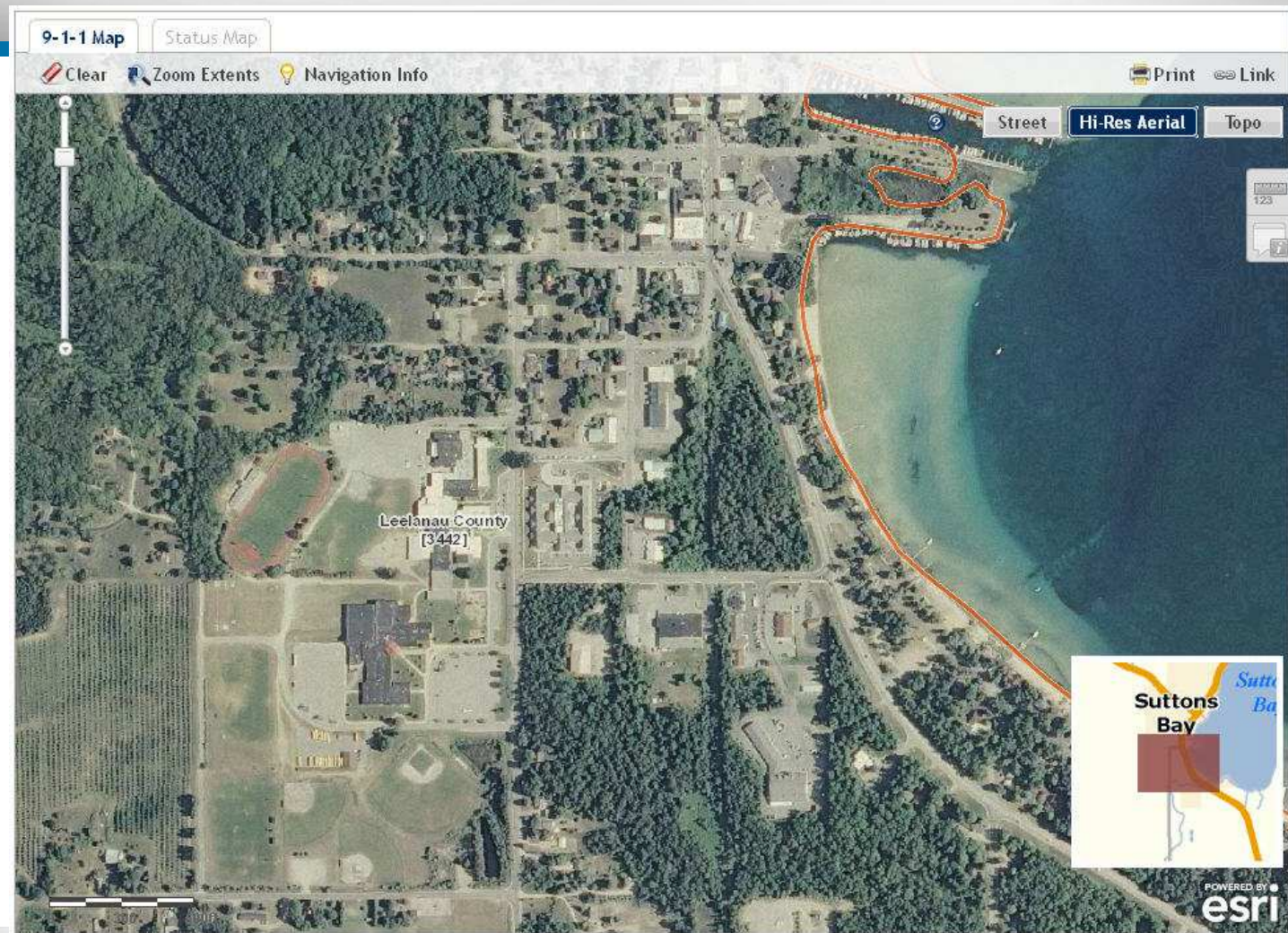
Data Viewer



Data Viewer



Data Viewer





Data Viewer

- ◆ Map Symbolology
 - Populate FCC Codes
 - Populate RDCLASS Field
 - Outlined in addressing guide

Data Viewer

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9-1-1 GIS Grant Project

MICHIGAN.GOV
Michigan's
Official
Web Site

9-1-1 Map

Status Map

[Clear](#) [Zoom Extents](#) [Navigation Info](#)

[Print](#) [Link](#)

Street

Hi-Res Aerial

Topo

Layers
Toggle layer visibility by clicking the corresponding checkbox. Edit features on a layer by clicking the edit icon.

☒ Emergency Service Zone


☒ Structure

☒ Centerline

☒ PSAP

☒ Staged Data

☒ Sketches



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Import Data

- ◆ Road centerlines
- ◆ MSAG – only for validation against new centerline layer being uploaded
- ◆ Emergency Service Zones – Optional
 - Beneficial for Mutual Aid
 - Will be beneficial for NG9-1-1 and interoperability
- ◆ Site Structure Points – Optional
 - Can be partial layer

Import Data

Demonstration

Import Data

9-1-1 Map

Status Map

Clear

Zoom Extents

Navigation Info

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Pending	09/06/2012	+
Export	End	Complete	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Errors	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	08/29/2012	+
Import	QA/QC	Pending	08/29/2012	+
Edit	Approval	Pending (1)	08/20/2012	+
Export	End	Complete	08/20/2012	+

Import Data

Search an address, city, zip, and more

9-1-1 Map

Status Map

Data Wizard

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	
Import	QA/QC	Pending	08/29/2012	
Edit	Approval	Pending (1)	08/20/2012	
Export	End	Complete	08/20/2012	
Change	Approval	Pending (1)	08/16/2012	

Select a layer and upload files

Select a PSAP of the data
Clare County Central Dispatch

Select a layer to upload:
ROAD CENTERLINES

Select files
(.dbf, .prj, .shp, and .shx):

Browse...

Next >>

Select file(s) to upload by msp911.kimbaldata.com

Look in: Application Test

Name	Date modified	Type
Alcona_Roads.dbf	6/19/2012 8:49 PM	DBF File
ClareRds.dbf	9/6/2012 3:57 PM	DBF File
ClareRds.prj	7/2/2012 10:03 PM	PRJ File
ClareRds.shp	9/6/2012 3:57 PM	SHP File
ClareRds.shx	9/6/2012 3:57 PM	SHX File
Roads.prj	3/27/2012 6:25 PM	PRJ File
roads.shp	6/19/2012 8:49 PM	SHP File
roads.shx	6/19/2012 8:49 PM	SHX File

File name: "ClareRds.shx" "ClareRds.dbf" "ClareRds.prj" "
Files of type: *.dbf;*.prj;*.shp;*.shx

Import Data

9-1-1 Map

Status Map

Data Wizard

Load Data on Next Page

Please match data fields.

ROAD CENTERLINES

Match Fields

Repository Standards	Your Shapefile Fields
SOURCE (type:A) *	SOURCE
DATEUPD (type:D) *	DATEUPD
EFFDATE (type:D)	
RCLID (type:A) *	RCLID
COUNTRY (type:A) *	COUNTRY
STATE_L (type:A) *	STATE_L
STATE_R (type:A) *	STATE_R
COUNTY_L (type:A) *	COUNTY_L
COUNTY_R (type:A) *	COUNTY_R
MUNI_L (type:A) *	MUNI_L
MUNI_R (type:A) *	MUNI_R
MCDDIV_L (type:A) *	
MCDDIV_R (type:A) *	
UNCORP_L (type:A)	
UNCORP_R (type:A)	

Import Data

Search an address, city, zip, and more

9-1-1 Map

Status Map

Workflow Details

Data Wizard

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	
Import	QA/QC	Pending	08/29/2012	
Edit	Approval	Pending (1)	08/20/2012	
Export	End	Complete	08/20/2012	

Centerline QA/QC Report (Flag Summary)

Flag Name	Flags	Exceptions
Record_Count	3849	0
MUNI_LR_IsEmpty	1	0
EFFDATE_DatatypeNotValid	3849	0
LOGreaterThanHl	24	0
RangeContainsAllZeros	213	0
RangeParityInvalid	8	0
RangeOverlap	65	0
STSNoMatch	1	0
FlippedRange	12	0

Select a Flag Name above to see all records that failed that scrub.

Export with No Data (flags only): [Excel](#) [CSV](#)

Export with Data: [Excel](#) [CSV](#)

1-1 PROJECT

Import Data

9-1-1 Map

Status Map

Workflow Details

Data Wizard

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/08/2012	
Import	QA/QC	Errors	09/08/2012	
Import	QA/QC	Errors	09/08/2012	
Export	End	Complete	09/08/2012	
Export	End	Complete	09/08/2012	
Export	End	Complete	09/08/2012	
Edit	End	Deleted	09/07/2012	
Edit	Approval	Pending (1)	08/27/2012	
Change	Approval	Pending (1)	08/21/2012	
Edit	Approval	Pending (5)	08/20/2012	
Change	Approval	Pending (10)	08/20/2012	

Flagged Records

Displaying records that failed the Flag: RangeOverlap

[Back to Summary](#)

First

Previous

Page 1 of 4

20

Next

Last

Record Count: 65

RCLID	Street	Left Community	Right Community	LLO	LHI	RLO	RHI	Exception
1981	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	7501	7989	7500	7988	0
1982	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6001	6299	6000	6298	0
1983	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6301	6549	6300	6548	0
1984	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6551	6699	6550	6698	0
1987	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	6051	6999	6050	6998	0
3346	W ASHARD RD	FREEMAN TWP	FREEMAN TWP	7501	7989	0	0	0
3318	BEECH TREE	SURREY TWP	SURREY TWP	3131	3199	3130	3200	0
3320	BEECH TREE	SURREY TWP	SURREY TWP	3131	3149	3130	3148	0
3147	S CLARE AVE	GRANT TWP	GRANT TWP	9041	9999	9040	9998	0
841	S CLARE AVE	GRANT TWP	GRANT TWP	9001	9939	9000	9938	0
3380	N CORNING ST	FARWELL	FARWELL	171	299	170	298	0
2414	N CORNING ST	FARWELL	FARWELL	1	199	2	198	0
3145	S EBERHART AVE	GRANT TWP	GRANT TWP	11911	11999	11900	11998	0
842	S EBERHART AVE	GRANT TWP	GRANT TWP	11001	11909	11000	11908	0
1027	FIVE LAKES DR	GRANT TWP	GRANT TWP	7401	7579	7400	7578	0
3096	FIVE LAKES DR	GRANT TWP	GRANT TWP	7581	7749	7580	7748	0

Import Data

◆ Exception Field

- Add a field called EXCEPTION to your local data – Long Integer Data Type

Exception Code	Exception Description
1	Limited Access Highway Features
2	Driveways or Non-Addressable Feature
3	Legacy Addressing Scenario
4	Local Road Naming Convention
5	Value Falls Outside of Jurisdiction
6	Correction Pending Local Review
7	Overlapping Segment Is Valid

Import Data

- ◆ RCLIDs – Need to be populated and unique
 - Can use any local unique ID locally needs to be compatible for upload into alphanumeric field type with a 50 character limit
 - Populate using OBJECTID or FID during import process or calculate that field to OBJECTID or FID in your local data

Import Data

- ◆ QA/QC check similar to data assessments that were run as part of grant project
- ◆ Additional field checks during import
 - Jurisdiction values
 - Source and date of update
- ◆ Critical Errors – That would prevent loading of data – no projection file, no RCLID, data types

Export Data

- ◆ User needs to have been assigned export rights to export any other jurisdiction's dataset
- ◆ PSAP Administrator must initiate request for one of their users to have export rights to neighboring jurisdiction's data
- ◆ PSAP Administrators have export rights to all dataset as a system setting
 - Allows for access to datasets in case of large emergency event

Export Data

Demonstration

Export Data

Web Site

Search an address, city, zip, and more

9-1-1 Map

Status Map

Workflow Details

Data Wizard

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	
Import	QA/QC	Pending	08/29/2012	

Select a layer and the extent for extraction

Next >>

1. Layer to download: ROAD CENTERLINES 2. Data Extent for extraction from: Map

[Your rights to download](#)

You are a PSAP administrator. You can download any layers of any PSAPs.

Select Data Extent for Extraction

Layer Visibility

☐ County

☒ PSAP

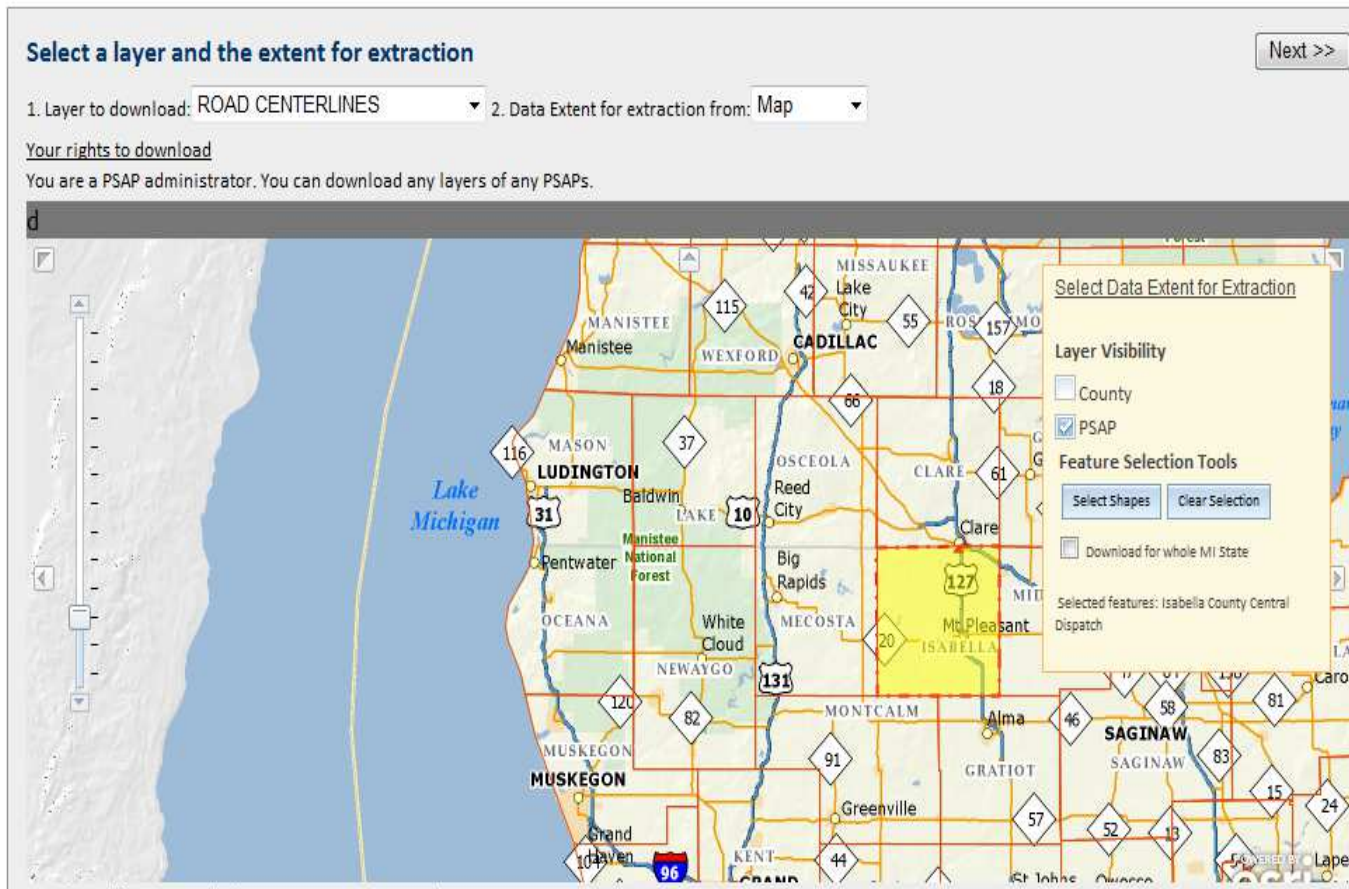
Feature Selection Tools

Select Shapes

Clear Selection

☐ Download for whole MI State

Selected features: Isabella County Central Dispatch



Selected features: Isabella County Central Dispatch

Next >>

Export Data

9-1-1 Map

Status Map

Workflow Details

Data Wizard

Search an address, city, zip, and more

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	
Import	QA/QC	Pending	08/29/2012	

Select a layer and the extent for extraction

Next >>

1. Layer to download: ROAD CENTERLINES

2. Data Extent for extraction from: PSAP list

Your rights to download

You are a PSAP administrator. You can download any layers of any PSAPs.

(1) Select Counties

Iron

Isabella

Jackson

Kalamazoo

(2) Select PSAPs

Clare County Central Dispatch

Isabella County Central Dispatch

Selected features: Isabella County Central Dispatch

Next >>

Export Data

9-1-1 GIS Grant Project

Search an address, city, zip, and more

9-1-1 Map | Status Map | Workflow Details | **Data Wizard** | CONTINUE

Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Pending	09/06/2012	+
Export	End	Complete	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Errors	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	08/29/2012	+
Import	QA/QC	Pending	08/29/2012	+

Please match data fields.


ROAD CENTERLINES

Match Fields

Profile: My download Profile ☐ In-reverse from your upload profile

State Geodatabase	Your Shapefile Field
SOURCE (type:A) *	COUNTRY Type: Alphanumeric
DATEUPD (type:D) *	DATEUPD Type: Alphanumeric
EFFDATE (type:D) *	EFFDATE Type: Alphanumeric
RCLID (type:A) *	RCLID Type: Alphanumeric
COUNTRY (type:A) *	SOURCE Type: Alphanumeric
STATE_L (type:A) *	STATE_L Type: Alphanumeric
STATE_R (type:A) *	STATE_R Type: Alphanumeric
COUNTY_L (type:A) *	COUNTY_L Type: Alphanumeric
COUNTY_R (type:A) *	COUNTY_R Type: Alphanumeric
MUNI_L (type:A) *	MUNI_L Type: Alphanumeric
MUNI_R (type:A) *	MUNI_R Type: Alphanumeric
MCDDIV_L (type:A) *	MCDDIV_L Type: Alphanumeric
MCDDIV_R (type:A) *	MCDDIV_R Type: Alphanumeric

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Export Data

9-1-1 Map

Status Map


Workflow Details


Data Wizard















Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

 **Export Data**

 **Import Data**

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	
Import	QA/QC	Pending	08/29/2012	

Select a projection:

WGS_1984_Web_Mercator

☒ **Terms and Conditions:** As a data exporter you are agreeing to abide by the terms and conditions outlined in the Memorandum of Agreement for this 9-1-1 GIS data repository. The terms of the memorandum of agreement (MOA) outlines that the signed agreement is for the utilization of GIS data for 9-1-1 and public safety purposes within a statewide 9-1-1 GIS repository developed by CSSTP (9-1-1 GIS Program). All terms of GIS data use outlined in your agency's MOA with CSSTP must be adhered to. These include but are not limited to the following requirements:

Data originators participating in the 9-1-1 GIS repository authorize their 9-1-1 GIS data to be used by other PSAPs that are participating in the 9-1-1 GIS Program and who may request regional datasets to be used in their 9-1-1 systems.
In the event that a third party requests data, one of the following three scenarios will also apply:
1) If your agency receives a request for your own data, that request shall be subject to your Enhanced Access to Public Records policy. There is no need for the request to go through or be approved by DTMB/CSSTP.

<< Previous


Process

Michigan.gov Home

MSP Home

State Web Sites

Contact MSP



Export Data

Search an address, city, zip, and more



9-1-1 Map

Status Map

Workflow Details

Data Wizard



Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

Export Data

Import Data

Task	Step	Status	Date	Update
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Pending	09/06/2012	
Export	End	Complete	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Import	QA/QC	Errors	09/06/2012	
Import	QA/QC	Flags	09/06/2012	
Export	End	Complete	09/06/2012	
Import	QA/QC	Flags	08/29/2012	

Export Workflow, Created: 9/6/2012 11:06:12 PM

Step	Status	End	System Messages	Workflow Details
Begin	Complete	9/6/2012 11:07:02 PM		
End	Complete	9/6/2012 11:07:02 PM	Data is ready to download. Click here.	

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Export Data

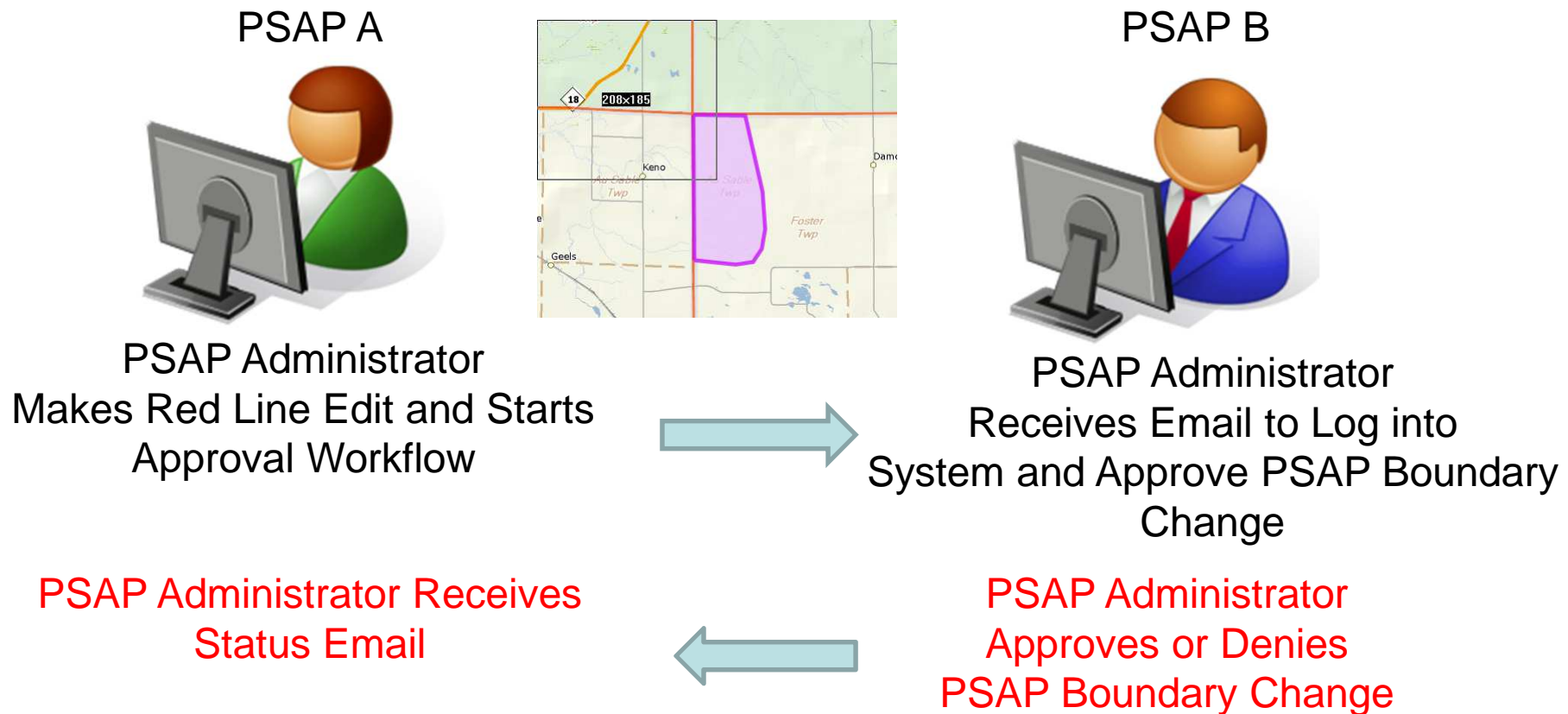
- ◆ Working with your CAD vendor to integrate regional maps
- ◆ Review edge-match, when possible and coordinate with neighboring jurisdictions where larger discrepancies exist
- ◆ Data layers – road centerlines, PSAP boundaries, emergency services zones*, structure points* (* incomplete statewide layers)

Red Line Edits- PSAP Boundary

- ◆ PSAP Boundary Change Requests
 - Internal communication must be established at local level for approval process
 - Jurisdictions where Michigan Geographic Framework road centerlines are being use have opportunity to use the PSAP Boundary Change tools to make requests or approve changes since PSAP layer developed for the project is statewide

Red Line Tools – PSAP Boundary

◆ Requesting PSAP Boundary Change



Red Line Tools – PSAP Boundary

◆ Requesting PSAP Boundary Change

CSSTP



If Approved by All Affected PSAPs. CSSTP Staff Make Boundary Change and Workflow Sent for Final Approval By All PSAPS Affected By Change

PSAP Administrator Receives Status Email

Affected PSAPs



PSAP Administrators Receive Email to Log into System and Review Final Boundary Edits And Make Final Approval

PSAP Administrator Approves or Denies PSAP Boundary Change

Red Line Edits- PSAP Boundary

Demonstration

Red Line Edits – Roads or Points

- ◆ All users can add red line edits for road or structure points
 - Internal protocol for who red lines can be established, if necessary
 - Notification email goes to PSAP admin and GIS importer for the jurisdiction that the red line is drawn
 - If road is drawn across multiple PSAP jurisdictions, PSAP admin and GIS importer from both jurisdictions get notifications

Red Line Edits – Roads or Points

Demonstration

Red Line Edits – Roads or Points

Search an address, city, zip, and more

9-1-1 Map Status Map

Clear Zoom Extents Navigation Info

Editing Tools

Editing Tools enables users to edit existing or create new workflow.

Please select Add Structure, Add Road, or Add PSAP and then click the map where the feature will appear.

Double-click to complete

The screenshot displays the 9-1-1 Map application interface. On the left, there is a sidebar with a search bar and a section titled 'Editing Tools' which includes icons for adding structures, roads, and PSAPs. A tooltip in this section instructs users to select an add tool and then click on the map. The main map area shows a grid of roads. A vertical road on the left is labeled 'Old M 66' and has a diamond marker with the number '66'. A horizontal road is labeled '72' and has a diamond marker with the number '72'. A vertical road is labeled 'Saunders Rd'. A horizontal road is labeled '3429'. A vertical road on the right is labeled 'Sigma Rd'. A horizontal road at the bottom is labeled 'Kniss Rd'. A point labeled 'Kerns Corner' is marked at the intersection of Saunders Rd and the road labeled '72'. A red line is being drawn on the map, starting from a point and extending towards the right. A tooltip next to the red line says 'Double-click to complete'. The map also shows some water bodies and a dashed line representing a boundary.

Edge-matching

- ◆ Edge-matching is run during import. Roads are snapped to PSAP boundary layer
- ◆ Continued coordination between jurisdictions for edge-matching and addressing attributes along boundaries is also a NENA recommendation for sustaining long-term 9-1-1 GIS data integrity in preparation for NG9-1-1

Edge-matching

Search

Errors

ErrorCode

611,750.459 373,234.595 Meters

ID	Value
43	Point
	INTERSECTION NEEDS SNAPPED
	ROAD DID NOT SNAP TO PSAP BOUNDARY; TRIM ROAD TO PSAP BOUNDARY AND ADJUST WITH COUNTY G
	COUNTY F



COUNTY F

COUNTY G

-1-1



GIS GRANT PROJECT

Edge-matching



Edge-matching

COUNTY A

COUNTY B

AD TO M.

Location: 573,096.991 370,072.533 Meters

Field	Value
OBJECTID	52
SHAPE	Point
code	ROAD NEEDS MOVED
Comment	ADJUST ROAD TO MATCH COUNTY B
County	COUNTY A

Measure

Line measurement
Segment: 14.689553 Feet
Length: 14.689553 Feet

1

PROJECT

Edge-matching

[illegible]

Addressing Guide

- Guidelines for addressing techniques
- Continue to incorporate standardization
- Road naming guidelines
- Addressing scenarios
- There will be unique local addressing scenarios
- GIS and MSAG synchronization

More Information

- ◆ www.michigan.gov/911GISGrant
- ◆ www.michigan.gov/snc
 - Harriet Miller-Brown
 - MillerHR@michigan.gov
 - 517-241-0080
 - Laura Blastic
 - blasticl@michigan.gov
 - 517-373-7910
 - Paul Harmon
 - harmonp@michigan.gov
 - 517-373-7910
 - Mark Holmes
 - mark.holmes@lrkimball.com
 - 814-472-7700 ext. 1308

Questions

Open Discussion